

REPLACEMENT SHEET

		* * * * *										351
Mosquito	DEN1	KGVSIVMCT-GSFKLEKEVARTQHGTIVLVQVKYEGTDAPCKIPFSSSQDEKQVT										
	DEN3	KGMSYAMCL-NTFVLKKEVSETQHGTILIKVVEYKGEDAPCKIPFSTEDGQGKA										
	DEN2	KGMSYSMCT-GKFVVEELIARTQHGTIVIRVQYEGDGSCKIPLEIMOLDNRH										
	DEN4	KGMSYTMCS-GKFSIDKEMARTQHGTIVVVKYEGAGAPCKVPIEIRVNNKEK										
	JE	KGTTYGMCT-EKFSFAKNPADTGHGTIVVIELSYSGSDGPKCPIPIVSVASLNDM										
	MV	KGTTYGMCT-EKFTFSKNPADTGHGTIVVLELQYTGSDGPKCPIPISSVASLNDM										
	KUN	KGTTYGVCS-KAFRLGTPADTGHGTIVVLELQYTGTDGPKCPIPISSVASLNDL										
	WN	KGTTYGVCS-KAFKFLGTPADTGHGTIVVLELQYTGTDGPKCPIPISSVASLNDL										
	SLE	KGTTYGMCD-SAFTFSKNPTDGHGTIVVLELQYTGSDGPKCPIPISVTANIMDL										
	YF	KGTSYKMC-DKMSFVKNPTDGHGTIVVQVVKPG-APCRIPVMVADDLTAS										
Tick	TBE	KGLITYTMCCKTKFTWKRAPTDSGHDIVVMEVTFSGT-KPCRIPVRAVAHGSPP										
	KFD	KGMTYTVCEGSKFAWKRPPTDSGHDIVVMEVTFSGT-KPCRIPVRAVAHGEPN										
	KUM	KGLITYTMCCKTKFTWKRAPTDSGHDIVVMEVTFSGT-KPCRIPVRAVAHGSPP										
	LI	KGLITYTMCCKSKFAWKRTPTDSGHDIVVMEVTFSGT-KPCRIPVRAVAHGSPP										
	LGT	KGLITYTMCCKTKFTWKRAPTDSGHDIVVMEVTFSGT-RPCRIPVRAVAHGSPP										
	OHF	KGLITYTMCCKAKFTWKRAPTDSGHDIVVMEVTFSGT-KPCRIPVRAVAHGSPP										
	POW	KGITYSMCDKAKFKWKRPVDSGHDIVVMEVTFSGDPCRIPIVRAVAHGVPA										
		* * * * *										395
Mosquito	DEN1	Q-NGRLITANPIVIDKEK--PVNIEAE-PPFGESYIVVGAGEKALKLSWFKK	SEQ ID NO:4									
	DEN3	H-NGRLITANPVVTKKEE--PVNIEAE-PPFGESNIVIGIGDKALKINWYRK	SEQ ID NO:5									
	DEN2	V-LGRLITVNPVITEKDS--PVNIEAE-PPLGDSYIIIGVEPQQLKLNWFKK	SEQ ID NO:6									
	DEN4	V-VGRIISSTPLAENTNS--VTNIELE-RPL-DSYIIVIGVGNALTLHWFRK	SEQ ID NO:7									
	JE	TPVGRVLTVNPFVATSSANSKVLVEME-PPFGDSYIVVGRGDKQINHHWHKA	SEQ ID NO:8									
	MV	TPVGRMVTANPYVASSTANAKVLVIEE-PPFGDSYIVVGRGDKQINHHWHKS	SEQ ID NO:9									
	KUN	TPVGRVLTVNPFVSVSTANAKVLIELE-PPFGDSYIVVGRGEQQINHHWHKS	SEQ ID NO:10									
	WN	TPVGRVLTVNPFVSVATANAKVLIELE-PPFGDSYIVVGRGEQQINHHWHKS	SEQ ID NO:11									
Tick	SLE	TPVGRVLTVNPFISTGGANNKVMIEVE-PPFGDSYIVVGRGTTQINHHWHKE	SEQ ID NO:12									
	YF	VNKGLVTVNPIASTNED--EVLIEVN-PPFGDSYIIVGTGDSRLTYQWHKE	SEQ ID NO:13									
	TBE	VNVAMLITPNPTIENNGG--GFIEMQLPP-GDNIIYVG---ELSQWFQK	SEQ ID NO:14									
	KFD	VNVASLITPNPMSMENTGG--GFVELQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:15									
	KUM	VNVAMLITPNPTIENNGG--GFIEMQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:16									
	LI	VNVAMLITPNPTIENDGG--GFIEMQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:17									
	LGT	VNVAMLITPNPTIENNGG--GFIEMQLPP-GDNIIYVG---DLNMQWFQK	SEQ ID NO:18									
	OHF	VNVAMLITPNPTIENNGG--GFIEMQLPP-GDNIIYVG---ELKHQWFQK	SEQ ID NO:19									
	POW	VNVAMLITPNPTIETNGG--GFIEMQLPP-GDNIIYVG---DLSQWFQK	SEQ ID NO:20									

FIG. 1

REPLACEMENT SHEET

US99b	(1)	QKGTIVGCSKAFKFIQTPADTGHGTIVLEIQTGTGDPCKPFISSVASINDLT PVGR	355
ETH76	(1)	.....
ISR52	(1)	.....
ISR53	(1)	.....
AUS60	(1)	.....
IND80	(1)	.....
MAD78	(1)	.....
SA89	(1)	.....
<u>MAD88</u>	(1)	.....
<u>SA58</u>	(1)	.....
JE	(1)	.....
SLE	(1)	.....
MVE	(1)	.....
US99b	(61)	VTVPETVSATANKVLIETLEPPGDSIYVGRGEQJNHHMHKSGSSIGK	406
ETH76	(61)	.....
ISR52	(61)	.....
ISR53	(61)	.....
AUS60	(61)	.....
IND80	(61)	.....
MAD78	(61)	.....
SA89	(61)	.....
<u>MAD88</u>	(61)	.....
<u>SA58</u>	(61)	.....
JE	(61)	.....
SLE	(61)	.....
MVE	(61)	.....

FIG. 6

REPLACEMENT SHEET

		300	351
Mosquito	DEN1	KGVSIVMCT-GSFKLEKEVAETQHGTIVLVQVKYEGTDAPCKIPFSSQDEKGV	
	DEN2	KGMSYMCY-GKFKVVEEIAETQHGTIVIRVQYEGDGSCKIPLEIMOLDNRH	
	DEN3	KGMSYAMCL-NTFVLKKEVSETQHGTILIKVEYKGEDAPCKIPFSTEDGQGA	
	DEN4	KGMSYTMCS-GKFSIDKEMAETQHGTIVVVKYEGAGAPCKVPIEIRVNVNEK	
	JE	KGTIYGMCT-EKFSFAKNPDTGHGTVVIELSYSGSDGPKCPIVSVASLNDM	
	WN	KGTIYGVCS-KAFKFLGTPADTGHGTVVLELQYTGTDGPKCPIVSVASLNDL	
	YF	KGTSYKMT-DKMSFVKNPTDTGHGTAVMQVKVPKG-APCRIPVMVADDLTAS	
	RSSE	KGLTYTMCCKTKFTWKRAPTDSGHDTVMEVTFSGT-KPCRIIPVRAVAHGS	
	CEE	KGLTYTMCCKTKFTWKRAPTDSGHDTVMEVTFSGT-KPCRIIPVRAVAHGS	
	LI	KGLTYTMCCKSKFAWKRTPTDSGHDTVMEVTFSGS-KPCRIIPVRAVAHGS	
Tick	LGT	KGLTYTVCDTKFTWKRAPTDSGHDTVMEVGFSGT-RPCRIIPVRAVAHGVPE	
	POW	KGTIYSMDKAKFKWKRPVDSGHDTVMEVSYTGS DKPCRIIPVRAVAHGVPA	
	KFD	KGMTIYVCEGSKFAWKRPPTDSGHDTVMEVTTYTGS-KPCRIIPVRAVAHGEFN	
	OHF	KGLTYTMCCKAKFTWKRAPTDSGHDTVMEVAFSGT-KPCRIIPVRAVAHGS	
		352	395
Mosquito	DEN1	Q-NGRLITANPIVIDKEK--PVNIEAE-PPFGESYIVVGAGEKALKLSWFKK	SEQ ID NO:4
	DEN2	V-LGRITVNPIVTEKDS--PVNVEAE-PPLGDSYIIIGVEPGQLKLNWFKK	SEQ ID NO:6
	DEN3	H-NGRLITANPVVTKKEE--PVNIEAE-PPFGESNIVIGIDKALKINWYRK	SEQ ID NO:5
	DEN4	V-VGRIISSTPLAENTNS--VTNIELE-RPL-DSYIVIGVNSALTLHWFRK	SEQ ID NO:7
	JE	TPVGRVLTVNPFVATSSANSKVLVEME-PPFGDSYIVVGRGDKQINHHWHKA	SEQ ID NO:8
	WN	TPVGRVLTVNPFVSVATANAKVLIELE-PPFGDSYIVVGRGEQQINHHWHKS	SEQ ID NO:11
	YF	VNKGILTVNPIASTNED--EVLIEVN-PPFGDSYIIIVGTGDSRLTYQWHKE	SEQ ID NO:13
Tick	RSSE	VNVAMLITPNPTIENNGG---GFIEMQLPP-GDNIIYVG---ELSYQWFQK	SEQ ID NO:26
	CEE	VNVAMLITPNPTIENNGG---GFIEMQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:27
	LI	VNVAMLITPNPTIENDGG---GFIEMQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:17
	LGT	VNVAMLITPNPTMENNGG---GFIEMQLPP-GDNIIYVG---DLNHQWFQK	SEQ ID NO:18
	POW	VNVAMLITPNPTIETNGG---GFIEMQLPP-GDNIIYVG---DLSQQWFQK	SEQ ID NO:20
	KFD	VNVASLITPNPMSMENTGG---GFVELQLPP-GDNIIYVG---ELSHQWFQK	SEQ ID NO:15
	OHF	VDVAMLITPNPTIENNGG---GFIEMQLPP-GDNIIYVG---ELKHQWFQK	SEQ ID NO:19

FIG. 16